

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : JÜRGEN MÜLLER
Filed : CONCURRENTLY HEREWITH
Title : SEMICONDUCTOR LASER

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.98 copies of the following patents and/or publications are submitted herewith:

U.S. Patent No. 5,822,356 (Jewell), dated October 13, 1998;

U.S. Patent No. 5,881,085 (Jewell), dated March 9, 1999;

U.S. Patent No. 6,144,682 (Sun), dated November 7, 2000;

U.S. Patent No. 5,493,577 (Choquette et al.), dated February 20, 1996;

Wu, Y. A. et al.: "High-Yield Processing and Single-Mode Operation of Passive Antiguide Region Vertical-Cavity Lasers", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 3, No. 2, April 1997, pp. 429-434;

Michalzik, R. et al.: "High-Bit-Rate Data Transmission with Short-Wavelength Oxidized VCSEL's: Toward Bias-Free Operation", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 3, No. 2, April 1997, pp. 396-404;

Zhou, D. et al.: "Simplified-Antiresonant Reflecting Optical Waveguide-Type Vertical-Cavity Surface-Emitting Lasers", American Institute of Physics, Applied Physics Letters, Vol. 76, No. 13, March 27, 2000, pp. 1659-1661;

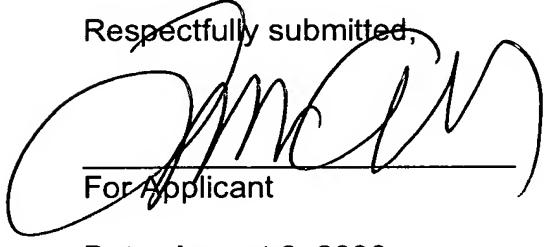
Morgan, R. A. et al.: "Hybrid Dielectric/AlGaAs Mirror Spatially Filtered Vertical Cavity Top-Surface Emitting Laser", American Institute of Physics, Applied Physics Letters, Vol. 66, No. 10, March 6, 1995, pp. 1157-1159;

Nishiyama, N. et al.: "Multi-Oxide Layer Structure for Single-Mode Operation in Vertical-Cavity Surface-Emitting Lasers", IEEE Photonics Technology Letters, Vol. 12, No. 6, June 2000, pp. 606-609;

International Search Report, dated July 22, 2003.

If no translation of pertinent portions of any foreign language patents or publications mentioned above is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the applicant.

Respectfully submitted,


For Applicant

LAURENCE A. GREENBERG
REG. NO. 29,308

Date: August 8, 2003

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/nt/kf

FORM PTO-1449 (SUBSTITUTE)		Attorney Docket No.: P2001,0082 Appl. No.:	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Applicant: JÜRGEN MÜLLER	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))		Filing Date: August 8, 2003 Group Art Unit:	

EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A	5,822,356	10/13/98	Jewell			
	B	5,881,085	3/9/99	Jewell			
	C	6,144,682	11/7/00	Sun			
	D	5,493,577	2/20/96	Choquette et al.			
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	H						
	I						

FOREIGN PATENT DOCUMENT

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
	J						
	K						
	L						
	M						
	N						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Wu, Y. A. et al.: "High-Yield Processing and Single-Mode Operation of Passive Antiguide Region Vertical-Cavity Lasers", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 3, No. 2, April 1997, pp. 429-434
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		Nishiyama, N. et al.: "Multi-Oxide Layer Structure for Single-Mode Operation in Vertical-Cavity Surface-Emitting Lasers", IEEE Photonics Technology Letters, Vol. 12, No. 6, June 2000, pp. 606-609

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